Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	03/02/2016 10:25 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/21/2015 09:33 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124902	-1	2.28	124815	2.24
Blue	F	SSC	125000	123524	-2	4.55	124604	4.43
Blue	E	FITC	17224	16565	-4	3.21	938	9.01
Blue	D	PE	22462	21729	-4	2.83	980	8.04
Blue	B	PerCP-Cy5-5	63940	63183	-2	3.34	1672	12.76
Blue	A	PE-Cy7	72480	71228	-2	4.33	942	24.27
Red	C	APC	63778	63026	-2	2.58	3560	7.99
Red	A	APC-Cy7	97254	97153	-1	2.59	1925	7.78
Violet	B	V450	10730	10432	-3	3.71	649	8.39
Violet	A	V500	42147	40270	-5	3.33	2281	6.18

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19688	3.26	583	-37	N/A	N/A	Pass
Blue	F	SSC	61675	3.29	508	-19	N/A	N/A	Pass
Blue	E	FITC	101	36.11	512	-27	0.0264	197	Pass
Blue	D	PE	202	24.71	507	-25	0.1946	184	Pass
Blue	B	PerCP-Cy5-5	204	39.41	595	-19	0.0123	66	Pass
Blue	A	PE-Cy7	68	100.70	648	-25	0.0157	18	Pass
Red	C	APC	334	25.63	577	-7	0.0220	4	Pass
Red	A	APC-Cy7	122	37.07	560	-5	0.0050	776	Pass
Violet	B	V450	69	46.01	450	-24	0.0477	2567	Pass
Violet	A	V500	148	27.90	478	-25	0.0129	1394	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.01	-30.80	0.80
Blue	20.35	16.27 - 24.41	1.24	0.99 - 1.49	0.00	0.00	1.30
Red	18.93	12.80 - 19.20	N/A	N/A	31.47	31.67	1.14

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 10331

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments